

**To:** Dhieux, Joyel[Dhieux.Joyel@epa.gov]  
**From:** Atencio, Kathie  
**Sent:** Tue 8/18/2015 12:51:44 AM  
**Subject:** FW: R8 Validated Data that is not on EPA.gov Gold King Mine Site  
Copy of R8 Surface Water Summary Table 08-16-15 wo 8-17-15 no ag.xlsx  
Copy of R8 Surface Water Summary Table Update wo 8-17-15 no ag.xlsx  
Copy of R8 Potable Water Summary Table 08-16-15 wo.xlsx

Joyel, some data that was reviewed by Wendy. It includes information on wells.

**From:** OBrien, Wendy  
**Sent:** Monday, August 17, 2015 12:12 PM  
**To:** Atencio, Kathie  
**Cc:** McKean, Deborah; Wharton, Steve; Brobst, Bob; Keteles, Kristen  
**Subject:** RE: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Hi Kathie,

I've completed a review of the latest validated data for surface water (08-16-14) and potable water (08-16-15). I've attached the spreadsheets, in which I highlighted the exceedances of our screening values. In the spreadsheets, I've highlighted exceedances of recreational screening values in yellow and exceedances of MCLs in blue.

Results are summarized below.

## SURFACE WATER (all values in ug/L)

Please note that most of the results in these tables I received represent dissolved metals; there are a few total metal results in the "Update" table. I compared sample results for dissolved metals to recreational screening values (as per agreement among unified R6, R8, and R9 Environmental Units). For agricultural evaluation, the State of Colorado agricultural standards are based on total metals. In most cases, total metal results were not available, so I compared sample results for dissolved metals to the Colorado agricultural standards. When total metal results were available, I compared them to the Colorado agricultural standards; otherwise I used the sample results for dissolved metals to compare to Colorado agricultural standards. Sample results displayed below represent dissolved metals unless otherwise noted.

## RECREATIONAL EXCEEDANCES FOR SURFACE WATER

GKM09: Exceedance of recreational screening value for cobalt (sample = 110; recreational screening value = 50)

Exceedance of recreational screening value for manganese (sample = 33000; recreational screening value = 7800)

GKM13: Exceedances of recreational screening value for cobalt (sample = 100, recreational screening value = 50)

Exceedances of recreational screening value for manganese (sample = 30000, recreational screening value = 7800)

## POTABLE WATER (all values in ug/L)

Note that the data I reviewed represent total metals.

GKMTW109: Exceedance of secondary MCL for iron (sample = 2200; 2°MCL = 300)

GKMTW136: Exceedance of secondary MCL for iron (sample = 1700; 2°MCL = 300)

Exceedance of secondary MCL for manganese (sample = 340; 2°MCL = 50)

GKMTW147: Exceedance of secondary MCL for iron (sample = 600; 2°MCL = 300)

Exceedance of secondary MCL for manganese (sample = 54; 2°MCL = 50)

GKMTW151: Exceedance of secondary MCL for iron (sample = 590; 2°MCL = 300)

Exceedance of secondary MCL for manganese (sample = 340; 2°MCL = 50)

GKMTW312: Exceedance of MCL for copper (sample = 2700; MCL = 1300)

Exceedance of MCL for lead (sample = 18; MCL = 15)

Exceedance of secondary MCL for iron (sample = 77000; 2°MCL = 300)

Exceedance of secondary MCL for manganese (sample = 470; 2°MCL = 50)

GKMTW316: Exceedance of MCL for arsenic (sample = 20; MCL = 10)

Exceedance of secondary MCL for iron (sample = 4200; 2°MCL = 300)

Exceedance of secondary MCL for manganese (sample = 68; 2°MCL = 50)

Wendy O'Brien, DVM, PhD, DABT

Toxicologist, Ecosystems Protection and Remediation

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**From:** Atencio, Kathie  
**Sent:** Monday, August 17, 2015 9:47 AM  
**To:** OBrien, Wendy  
**Cc:** McKean, Deborah  
**Subject:** FW: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Hi Wendy,

Second email with additional data that has been validated, but just not posted to the EPA website. We are no longer doing messaging for the data, so you don't have to review it for that purpose unless the messaging has changed.

Thanks,

Kathie

AC EUL, 303-898-6414

**From:** Latham (Polinko), Janine [<mailto:Janine.Latham@WestonSolutions.com>]  
**Sent:** Monday, August 17, 2015 5:39 AM  
**To:** McKean, Deborah; Burgo, Daniel; Wall, Dan; Atencio, Kathie  
**Cc:** [John.Lucotch@WestonSolutions.com](mailto:John.Lucotch@WestonSolutions.com); Adamczyk, Megan;  
[Brad.Morgan@WestonSolutions.com](mailto:Brad.Morgan@WestonSolutions.com); Schaefer, Joe; Delgado, Eric  
**Subject:** R8 Validated Data that is not on EPA.gov Gold King Mine Site

Attached you can find the additional samples the Dan Burgo identified yesterday that are in need of review to be posted to the EPA.gov site.

**From:** Latham (Polinko), Janine  
**Sent:** Sunday, August 16, 2015 11:49 PM  
**To:** 'mckean.deborah@epa.gov' <[mckean.deborah@epa.gov](mailto:mckean.deborah@epa.gov)>; Burgo, Daniel

(Burgo.Daniel@epa.gov) <Burgo.Daniel@epa.gov>; 'wall.dan@epa.gov' <wall.dan@epa.gov>;  
'Atencio.Kathie@epa.gov' <Atencio.Kathie@epa.gov>  
**Cc:** Lucotch, John <John.Lucotch@WestonSolutions.com>; Adamczyk, Megan  
<Megan.Adamczyk@WestonSolutions.com>; Morgan, Bradley  
<Brad.Morgan@WestonSolutions.com>; Joe Schaefer <schaefer.joe@epa.gov>;  
"Delgado.eric@epa.gov" (Delgado.eric@epa.gov) <Delgado.eric@epa.gov>  
**Subject:** Validated Data Delivery 08162015

Attached you can find the new validated data for Region 8 for 8.16.2015 separated by Matrix.

1. R8\_Potable Water Summary Table 08-16-15
2. R8\_Surface Water Summary Table 08-16-15

Thanks.

*Janine Polinko Latham*

*Technical Manager*

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